



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/461,090  
Applicant : Axel ULLRICH et al  
Filed : December 14, 1999  
TC/A.U. : 1634  
Examiner : Frank Wei Min Lu

Docket No. : 2923-347  
Customer No. : 06449  
Confirmation No. : 3321

**INFORMATION DISCLOSURE STATEMENT**

Director of the United States Patent  
and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. Materials submitted for consideration are listed on the attached form PTO-1449.

The information contained in this information disclosure statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Accordingly, Applicant petitions the Commissioner to consider this information disclosure statement.

Respectfully submitted,

By

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MCK/cb



# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

<p style="text-align: right;"><i>Complete if Known</i></p>							
				Application Number	09/461,090		
				Filing Date	December 14, 1999		
				First Named Inventor	ULLRICH et al		
				Group Art Unit	1634		
				Examiner Name	Fran Wei Min Lu		
Confirmation No.				3321			
Sheet	1	of	2	Attorney Docket Number	2923-347		

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
/F.L./	1.	EP	0 780 386	A1	F. Hoffmann-LA Roche AG	6/25/97	
Examiner Signature	/Frank Lu/				Date Considered	07/29/2009	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code.

<sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.


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STATEMENT BY APPLICANT**

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Sheet	2	of	2	Attorney Docket Number	2923-347
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**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>†</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
/F.L./ 	2.	Dong et al., "Metalloprotease-mediated ligand release regulates autocrine signaling through the epidermal growth factor receptor", PROC. NATL. ACAD. SCI., vol. 96, pp. 6235-6240, May 1999, Cell Biology.		
	3.	Brown et al., "Cell Surface Ectodomain Cleavage of Human Amphiregulin Precursor is Sensitive to a Metalloprotease Inhibitor", THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 273, no. 27, Issue of July 3, pp. 17258-17268, 1998.		
	4.	Daub et al., "Role of transactivation of the EGF receptor in signalling by G-protein-coupled receptors", LETTERS TO NATURE, vol. 379, February 8, 1996, pgs. 557-560.		
	5.	Daub et al., "Signal characteristics of G protein-transactivated EGF receptor", THE EMBO JOURNAL, vol. 16, no. 23, pp. 7032-7044, 1997.		
	6.	Izumi et al., "A Metalloprotease-disintegrin, MDC9/meltrin-γ/ADAM9 and PKCδ are involved in TPA-induced ectodomain shedding of membrane-anchored heparin-binding EGF-like growth factor", THE EMBO JOURNAL, vol. 17, no. 24, pp. 7260-7272, 1998.		
	7.	Zena Werb, "ECM and Cell Surface Proteolysis: Regulating Cellular Ecology", CELL, vol. 91, pgs. 439-442, November 14, 1997.		
	8.	Takeyama et al., "Epidermal growth factor system regulates mucin production in airways", PROC. NATL. ACAD. SCI., vol. 96, pp. 3081-3086, March 1999, Medical Sciences.		
	9.	Romano et al., "Helicobacter pylori Upregulates Expression of Epidermal Growth Factor-related Peptides, but inhibits Their Proliferative Effect in MKN 28 Gastric Mucosal Cells", THE JOURNAL OF CLINICAL INVESTIGATION, vol. 101, no. 8, April 1998, pgs. 1604-1613.		
	10.	Prenzel et al., "EGF receptor transactivation by G-protein-coupled receptors requires metalloproteinase cleavage of proHB-EGF", NATURE, vol. 402, 23/30 December 1999, pgs. 884-888.		
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